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TFTP [RFC1350]. Requirements identical to DOCSIS 2.0. CMTS. DHCP ...
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Prevention of Cloning Attacks in a DOCSIS Network - Patent 20070276943
Data Over Cable Interface Specification (DOCSIS) is a known standard defining ....
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Detection. DNS. Domain Name Service. DUID. DHCP unique identifier ...
www.cablelabs.com/specifications/CM-SP-eRouter-I03-070518.pdf - Similar pages

RFC 4947 (rfc4947) - Address Resolution Mechanisms for IP ...
DOCSIS uses DHCP for IP client configuration. The Cable Modem Terminal ..... participation
in IPv6 Duplicate Address Detection or running a DHCP server. 6. ...
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Birds-Eye.Net DHCP Recommendations
Device's mac address is checked locally and on the server for duplicates .... between
editing service classes for legacy and DOCSIS cable modems. ...
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[dhcwg] RE: Changes for draft-ietf-dhc-implementation-02.txt
Jul 12, 2006 ... The parallel discussions about Duplicate Address Detection have a bearing
on the use of both ICMP ECHO and ARP, but for DHCP the use of PING ...
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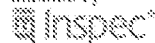IEEE/IET journals, transactions, letters, magazines, conference proceedings, and standards.

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IEEE STD	IEEE Standard

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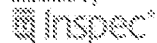**view selected items**   Select All Deselect All

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1 Characterization of national Web domains

Ricardo Baeza-Yates, Carlos Castillo, Efthimis N. Efthimiadis
May 2007 ACM Transactions on Internet Technology (TOIT), Volume 7 Issue 2
Publisher: ACM

Full text available: 📄 pdf(1.41 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 27,   Downloads (12 Months): 273,   Citation Count: 1

During the last few years, several studies on the characterization of the public Web space of various national domains have been published. The pages of a country are an interesting set for studying the characteristics of the Web because at the same ...

Keywords: Web characterization, Web measurement

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2 Multimedia streaming via TCP: An analytic performance study

Bing Wang, Jim Kurose, Prashant Shenoy, Don Towsley
May 2008 ACM Transactions on Multimedia Computing, Communications, and
            Applications (TOMCCAP), Volume 4 Issue 2
Publisher: ACM

Full text available: 📄 pdf(619.31 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 72,   Downloads (12 Months): 72,   Citation Count: 0

TCP is widely used in commercial multimedia streaming systems, with recent measurement studies indicating that a significant fraction of Internet streaming media is currently delivered over HTTP/TCP. These observations motivate us to develop analytic ...

Keywords: Performance modeling, multimedia streaming

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3 Location diversity in anonymity networks

Nick Feamster, Roger Dingledine
October 2004 WPES '04: Proceedings of the 2004 ACM workshop on Privacy in the
            electronic society
Publisher: ACM

Full text available: 📄 pdf(181.61 KB) Additional Information: full citation, abstract, references, cited by, index
terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 52,   Citation Count: 2

Anonymity networks have long relied on diversity of node location for protection against attacks---typically an adversary who can observe a larger fraction of the network can launch a more effective attack. We investigate the diversity of two deployed ...

Keywords: anonymity, interdomain routing, mix networks

4   TCP/IP performance with random loss and bidirectional congestion
T. V. Lakshman, Upamanyu Madhow, Bernhard Suter
October 2000 IEEE/ACM Transactions on Networking (TON),   Volume 8 Issue 5
Publisher: IEEE Press
Full text available: pdf(287.04 KB)   Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 82,   Citation Count: 5

Keywords: ADSL, TCP, buffer management, cable modems, scheduling

5   The effects of asymmetry on TCP performance
Hari Balakrishnan, Randy H. Katz, Venkata N. Padmanbhan
October 1999 Mobile Networks and Applications,   Volume 4 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(382.76 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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In this paper, we study the effects of network asymmetry on end-to-end TCP performance and suggest techniques to improve it. The networks investigated in this study include a wireless cable modem network and a packet radio network, both of which can ...

6   Optimization of query streams using semantic prefetching
Ivan T. Bowman, Kenneth Salem
December 2005 ACM Transactions on Database Systems (TODS),   Volume 30 Issue 4
Publisher: ACM
Full text available: pdf(1.10 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 115,   Citation Count: 0

Streams of relational queries submitted by client applications to database servers contain patterns that can be used to predict future requests. We present the Scalpel system, which detects these patterns and optimizes request streams using context-based ...

Keywords: Prefetching, query streams

7   DHTTP: an efficient and cache-friendly transfer protocol for the web
Michael Rabinovich, Hua Wang
December 2004 IEEE/ACM Transactions on Networking (TON),   Volume 12 Issue 6
Publisher: IEEE Press
Full text available: pdf(487.71 KB)   Additional Information: full citation, abstract, references, index terms, review

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 80,   Citation Count: 0

Today's HTTP carries Web interactions over client-initiated TCP connections. An important implication of using this transport method is that interception caches in the network violate the end-to-end principle of the Internet, which severely limits deployment ...

Keywords: HTTP protocol, interception caching, internet, web performance

8   TCP extensions for space communications
Robert C. Durst, Gregory J. Miller, Eric J. Travis
October 1997 Wireless Networks,   Volume 3 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(375.24 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 49,   Citation Count: 2

The space communication environment and mobile and wireless communication environments show many similarities when observed from the perspective of a transport protocol. Both types of environments exhibit loss caused by data corruption and link outage, ...

9   Aliasing on the world wide web: prevalence and performance implications
Terence Kelly, Jeffrey Mogul
May 2002 WWW '02: Proceedings of the 11th international conference on World Wide Web
Publisher: ACM
Full text available: pdf(376.28 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 38,   Citation Count: 14

Aliasing occurs in Web transactions when requests containing different URLs elicit replies containing identical data payloads. Conventional caches associate stored data with URLs and can therefore suffer redundant payload transfers due to aliasing and ...

Keywords: DTD, HTTP, WWW, Zipf's law, aliasing, cache hierarchies, caching, duplicate suppression, duplicate transfer detection, hypertext transfer protocol, performance analysis, redundant transfers, resource modification, world wide web

10   Inferring Internet denial-of-service activity
David Moore, Colleen Shannon, Douglas J. Brown, Geoffrey M. Voelker, Stefan Savage
May 2006 ACM Transactions on Computer Systems (TOCS),   Volume 24 Issue 2
Publisher: ACM
Full text available: pdf(790.20 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 81,   Downloads (12 Months): 468,   Citation Count: 6

In this article, we seek to address a simple question: "How prevalent are denial-of-service attacks in the Internet?" Our motivation is to quantitatively understand the nature of the current threat as well as to enable longer-term analyses ...

Keywords: Backscatter, denial-of-service, network measurement, network security

11 Comprehensive view of a live network coding P2P system
Christos Gkantsidis, John Miller, Pablo Rodriguez
October 2006 IMC '06: Proceedings of the 6th ACM SIGCOMM conference on Internet
            measurement
Publisher: ACM
Full text available: pdf(582.13 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 296, Citation Count: 1

In this paper we present the first implementation of a P2P content distribution system
that uses Network Coding. Using results from live trials with several hundred nodes, we
provide a detailed performance analysis of such P2P system. In contrast to ...

Keywords: NAT issues, content distribution, network coding, peer-to-peer, secure
random chesksums

12 Networkmd: topology inference and failure diagnosis in the last mile
Yun Mao, Hani Jamjoom, Shu Tao, Jonathan M. Smith
October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet
            measurement
Publisher: ACM
Full text available: pdf(567.67 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 71, Citation Count: 0

Health monitoring, automated failure localization and diagnosis have all become critical
to service providers of large distribution networks (*e.g.*, digital cable and fiber-to-the-
home), due to the increases in scale and complexity of their offered ...

Keywords: failure diagnosis, network topology inference

13 Optimization of query streams using semantic prefetching
Ivan T. Bowman, Kenneth Salem
June 2004 SIGMOD '04: Proceedings of the 2004 ACM SIGMOD international conference
            on Management of data
Publisher: ACM
Full text available: pdf(224.40 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 36, Citation Count: 0

Streams of relational queries submitted by client applications to database servers
contain patterns that can be used to predict future requests. We present the Scalpel
system, which detects these patterns and optimizes request streams using context-
based ...

14 HeinOnline
Richard J. Marisa
January 2001 JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital
            libraries
Publisher: ACM
Full text available: pdf(217.08 KB) Additional Information: full citation, abstract, references, index terms

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HeinOnline is a new online archive of law journals. Development of He inOnline began in late 1997 through the cooperation of Cornell Information Technologies, William S. Hein & Co., Inc. of Buffalo, NY, and the Cornell Law Library.Built upon the familar ...

Keywords: dienst, digital library, document structure, law journals, metadata, system design

15 Hands-on approach to teaching computer networking using packet traces
Jeanna Neefe Matthews
October 2005 SIGITE '05: Proceedings of the 6th conference on Information technology education
Publisher: ACM
Full text available: pdf(233.40 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 97, Citation Count: 0

This paper describes a novel approach to teaching computer networking through packet traces of actual network traffic. The paper describes a set of exercises that use packet traces to clearly illustrate the activity that takes place on the network under ...

Keywords: network protocol analysis

16 Hybrid delivery system for electronic problem solvers (EPS)
Avare Stewart, Arnd Steinmetz, Parviz Kermani, Shermane Austin, Magda Mourad
May 2002 Journal of Computing Sciences in Colleges, Volume 17 Issue 6
Publisher: Consortium for Computing Sciences in Colleges
Full text available: pdf(112.69 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 22, Citation Count: 0

e-Learning is one of the fastest growing trends in higher education. This evolving trend can be classified with respect to the underlying structure and content of these environments. Of particular note is an e-Learning environment, which is structured ...

17 On the performance of traffic equalizers on heterogeneous communication links
Ji Li, Jack Brassil
August 2006 QShine '06: Proceedings of the 3rd international conference on Quality of service in heterogeneous wired/wireless networks
Publisher: ACM
Full text available: pdf(109.65 KB) Additional Information: full citation, abstract, references, index terms

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Aggregating the bandwidth of multiple low-cost physical communication links to form a single, higher capacity logical link is a common and inexpensive approach to increasing network performance. Aggregating or bonding links has traditionally been used ...

Keywords: TCP, TEQL, WRR scheduling, link bonding, performance analysis, protocols

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1　Needs assessment for campus-wide network services at Brigham Young University
　　Hawaii using IEEE 802.16 wireless network infrastructure　　　　　Ads b
　　Gary K. W. Wong, Leslie D. Fife
　　November 2006　SIGUCCS '06: Proceedings of the 34th annual ACM SIGUCCS conference on
　　　　　　　　　　User services
　　Publisher: ACM
　　Full text available: 📄 pdf(387.76 KB)　Additional Information: full citation, abstract, references, index terms

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　　Wireless technology continues to improve as technology advances throughout the world.
　　Brigham Young University Hawaii (BYUH) is approaching the point where it will be
　　sufficiently mature technologically to benefit from a campus-wide wireless network. ...

　　Keywords: IEEE 802.16, WiMax, campus network service, mobility, security　　　　　S

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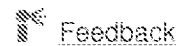
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1 Broadband internet network management software platform and systems in KT
   Jae-Hyoung Yoo
   November 2006 International Journal of Network Management, Volume 16 Issue 6
   Publisher: John Wiley & Sons, Inc.
   Full text available: 📄 pdf(999.62 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 142, Citation Count: 0

      The high penetration rate of Internet access services in Korea has created an operational
      environment that is different from those of other countries, and thus the level of customer needs
      takes on different aspects. To meet the operational environment, ...

2 Power line communication network trial and management in Korea
   Jae-Jo Lee, Choong Seon Hong, Joon-Myung Kang, James Won-Ki Hong
   November 2006 International Journal of Network Management, Volume 16 Issue 6
   Publisher: John Wiley & Sons, Inc.
   Full text available: 📄 pdf(1.33 MB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 166, Citation Count: 0

      Power line communication (PLC) has become an important network access technology to conven
      and effectively provide various useful services such as remote meter reading, broadband Interne
      access, and home networking services. As the deployment ...

3 Practical computer security: a new service course based upon the national strategy to secu
❖ cyberspace
   David W. Valentine
   October 2005 SIGITE '05: Proceedings of the 6th conference on Information technology education
   Publisher: ACM
   Full text available: 📄 pdf(193.40 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 114, Citation Count: 0

      The National Strategy to Secure Cyberspace calls upon IT professionals to help empower all
      Americans to secure their own connections to cyberspace as part of the National security effort.
      Specifically, it is a call for training the general population ...

Keywords: education, model syllabi, security

4 Passive online rogue access point detection using sequential hypothesis testing with TCP
   ACK-pairs
   Wei Wei, Kyoungwon Suh, Bing Wang, Yu Gu, Jim Kurose, Don Towsley
   October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet measurement
   Publisher: ACM
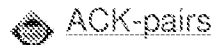   Full text available: pdf(560.62 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 107,   Citation Count: 0

   Rogue (unauthorized) wireless access points pose serious security threats to local networks. In t
   paper, we propose two online algorithms to detect rogue access points using sequential hypothes
   tests applied to packet-header data collected passively ...

   Keywords: TCP ACK-pairs, rogue access point detection, sequential hypothesis testing

5 WiFiProfiler: cooperative diagnosis in wireless LANs
   Ranveer Chandra, Venkata N. Padmanabhan, Ming Zhang
   June 2006   MobiSys '06: Proceedings of the 4th international conference on Mobile systems,
               applications and services
   Publisher: ACM
   Full text available: pdf(404.12 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 130,   Citation Count: 1

   While 802.11-based wireless hotspots are proliferating, users often have little recourse when the
   network does not work or performs poorly for them. They are left trying to manually debug the
   problem, which can be a frustrating and disruptive ...

   Keywords: 802.11, fault diagnosis, peer-to-peer performance problems, wireless networks

6 A measurement study of vehicular internet access using in situ Wi-Fi networks
   Vladimir Bychkovsky, Bret Hull, Allen Miu, Hari Balakrishnan, Samuel Madden
   September 2006 MobiCom '06: Proceedings of the 12th annual international conference on Mobile
               computing and networking
   Publisher: ACM
   Full text available: pdf(1.52 MB)   Additional Information: full citation, abstract, references, cited by, index term

   Bibliometrics: Downloads (6 Weeks): 55,   Downloads (12 Months): 365,   Citation Count: 4

   The impressive penetration of 802.11-based wireless networks in many metropolitan areas arou
   the world offers, for the first time, the opportunity of a "grassroots" wireless Internet service
   provided by users who "open up" their 802.11 (Wi-Fi) access ...

   Keywords: 802.11, Wi-Fi, connectivity, mobile networks, mobility, vehicular mobility, wireless L

7 Enhancement of a WLAN-based internet service
   Youngkyu Choi, Sekyu Park, Sunghyun Choi, Go Woon Lee, Jaehwan Lee, Hanwook Jung
   June 2005   Mobile Networks and Applications, Volume 10 Issue 3
   Publisher: Kluwer Academic Publishers
   Full text available: pdf(2.62 MB)   Additional Information: full citation, abstract, references, cited by, index term

   Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 133,   Citation Count: 2

A wireless LAN (WLAN)-based Internet service, called NESPOT, of Korea Telecom (KT), the bigge
telecommunication and Internet service company in Korea, has been operational since early 200
the numbers of subscribers and deployed access points (APs) ...

Keywords: IEEE 802.11, WLAN, hotspot service, wireless internet service provider (WISP)

8   How dynamic are IP addresses?
Yinglian Xie, Fang Yu, Kannan Achan, Eliot Gillum, Moises Goldszmidt, Ted Wobber
August 2007 SIGCOMM '07: Proceedings of the 2007 conference on Applications, technologies,
                 architectures, and protocols for computer communications
Publisher: ACM
Full text available: pdf(553.84 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 72,   Downloads (12 Months): 409,   Citation Count: 0

This paper introduces a novel algorithm, *UDmap*, to identify dynamically assigned IP addresses a
analyze their dynamics pattern. UDmap is fully automatic, and relies only on application-level se
logs. We applied UDmap to a month-long Hotmail ...

Keywords: DHCP, IP volatility, dynamic IP addresses, entropy, spam detection

9   How dynamic are IP addresses?
Yinglian Xie, Fang Yu, Kannan Achan, Eliot Gillum, Moises Goldszmidt, Ted Wobber
October 2007 ACM SIGCOMM Computer Communication Review,   Volume 37 Issue 4
Publisher: ACM
Full text available: pdf(553.84 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 72,   Downloads (12 Months): 409,   Citation Count: 0

This paper introduces a novel algorithm, *UDmap*, to identify dynamically assigned IP addresses a
analyze their dynamics pattern. UDmap is fully automatic, and relies only on application-level se
logs. We applied UDmap to a month-long Hotmail ...

Keywords: DHCP, IP volatility, dynamic IP addresses, entropy, spam detection

10 RIPPS: Rogue Identifying Packet Payload Slicer Detecting Unauthorized Wireless Hosts
Through Network Traffic Conditioning
Chad D. Mano, Andrew Blaich, Qi Liao, Yingxin Jiang, David A. Cieslak, David C. Salyers, Aaron Stri
March 2008 ACM Transactions on Information and System Security (TISSEC),   Volume 11 Issue
Publisher: ACM
Full text available: pdf(1.16 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 34,   Downloads (12 Months): 199,   Citation Count: 0

Wireless network access has become an integral part of computing both at home and at the
workplace. The convenience of wireless network access at work may be extremely beneficial to
employees, but can be a burden to network security personnel. This burden ...

Keywords: network security, rogue systems, traffic conditioning

11 Improved access point selection
Anthony J. Nicholson, Yatin Chawathe, Mike Y. Chen, Brian D. Noble, David Wetherall
June 2006   MobiSys '06: Proceedings of the 4th international conference on Mobile systems,
                 applications and services

Publisher: ACM
Full text available: pdf(451.33 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 24,   Downloads (12 Months): 242,   Citation Count: 5

This paper presents Virgil, an automatic access point discovery and selection system. Unlike exis systems that select access points based entirely on received signal strength, Virgil scans for all available APs at a location, quickly associates to ...

Keywords: 802.11, access point selection, opportunistic connectivity, public networks, wireless networking

12   Enhancement of a WLAN-based internet service in Korea
Youngkyu Choi, Jeongyeup Paek, Sunghyun Choi, Go Woon Lee, Jae Hwan Lee, Hanwook Jung
September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobi
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A wireless LAN (WLAN)-based Internet service, called NESPOT, of Korea Telecom (KT), the bigge telecommunication and Internet service company in Korea, has been operational since early 200 the numbers of subscribers and deployed access points (APs) ...

Keywords: IEEE 802.11, LAN, hotspot service, wireless internet service provider (WISP)

13   Experiences with worm propagation simulations
Arno Wagner, Thomas Dübendorfer, Bernhard Plattner, Roman Hiestand
October 2003 WORM '03: Proceedings of the 2003 ACM workshop on Rapid malcode
Publisher: ACM
Full text available: pdf(220.07 KB)   Additional Information: full citation, abstract, references, cited by, index term

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Fast Internet worms are a relatively new threat to Internet infrastructure and hosts. We discuss motivation and possibilities to study the behaviour of such worms and degrees of freedom that w writers have. To facilitate the study of fast worms we ...

Keywords: bandwidth, internet worms, latency, simulation

14   FlexPath NP: a network processor concept with application-driven flexible processing path:
Rainer Ohlendorf, Andreas Herkersdorf, Thomas Wild
September 2005 CODES+ISSS '05: Proceedings of the 3rd IEEE/ACM/IFIP international conference
              Hardware/software codesign and system synthesis
Publisher: ACM
Full text available: pdf(261.77 KB)   Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 27,   Citation Count: 2

In this paper, we present a new architectural concept for network processors called FlexPath NP. central idea behind FlexPath NP is to systematically map network processor (NP) application sub functions onto both SW programmable processor (CPU) resources ...

Keywords: IP networking, application-specific architectures, dynamically reconfigurable process hardware accelerators, network processors

15 Hands-on approach to teaching computer networking using packet traces
Jeanna Neefe Matthews
October 2005 SIGITE '05: Proceedings of the 6th conference on Information technology education
Publisher: ACM
Full text available: pdf(233.40 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 97,   Citation Count: 0

This paper describes a novel approach to teaching computer networking through packet traces o
actual network traffic. The paper describes a set of exercises that use packet traces to clearly
illustrate the activity that takes place on the network under ...

Keywords: network protocol analysis

16 Linux for suits: the sound of Linux
Doc Searls
March 2006 Linux Journal, Volume 2006 Issue 143
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(22.92 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 14,   Citation Count: 0

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17 Wireless commons perils in the common good
Jan Damsgaard, Mihir A. Parikh, Bharat Rao
February 2006 Communications of the ACM, Volume 49 Issue 2
Publisher: ACM
Full text available: pdf(98.66 KB) html(26.30 KB) Additional Information: full citation, abstract, references, index te

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 166,   Citation Count: 0

In the last few years, high-speed wireless access to the Internet has grown rapidly. Surprisingly,
growth has not come through cellular phone networks as many had expected, but through IEEE
802.11 standards-based wireless local area networks (WLANs). ...

18 Linux at Holt Public Schools
Mark Lachniet
September 1997 Linux Journal, Volume 1997 Issue 41es
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(13.90 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 7,   Citation Count: 0

WAN links and linux proxy servers form the basis of a computer network for this Michigan public
school system

19 BATTLE of the bandwidth
Keiko Pitter, Kevin Kelly, Michael Quiner
October 2004 SIGUCCS '04: Proceedings of the 32nd annual ACM SIGUCCS conference on User ser
Publisher: ACM

Full text available: 📄 pdf(157.02 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 37,   Citation Count: 0

Whitman College, like all other residential institutions of higher education, has been struggling w taming the bandwidth for the Residence Hall network. It doesn't seem to matter how much bandwidth is provided, or how much packet shaping effort is ...

Keywords: P2P, bandwidth, higher education, peer to peer, residential network

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    Yun Mao, Hani Jamjoom, Shu Tao, Jonathan M. Smith
    October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet
              measurement
    Publisher: ACM
    Full text available: 📄 pdf(567.67 KB) Additional Information: full citation, abstract, references, index terms

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    Health monitoring, automated failure localization and diagnosis have all become critical
    to service providers of large distribution networks (e.g., digital cable and fiber-to-the-
    home), due to the increases in scale and complexity of their offered ...

    Keywords: failure diagnosis, network topology inference

                                                                                           Sh

2   Characterizing residential broadband networks   E
    Marcel Dischinger, Andreas Haeberlen, Krishna P. Gummadi, Stefan Saroiu
    October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet
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    A large and rapidly growing proportion of users connect to the Internet via residential
    broadband networks such as Digital Subscriber Lines (DSL) and cable. Residential   k
    networks are often the bottleneck in the last mile of today's Internet. Their
    characteristics ...

    Keywords: broadband access networks, cable, dsl, network measurement

3   Automated network games enhancement layer: a proposed architecture
    Jason But, Nigel Williams, Sebastian Zander, Lawrence Stewart, Grenville Armitage
    October 2006 NetGames '06: Proceedings of 5th ACM SIGCOMM workshop on Network
              and system support for games
    Publisher: ACM
    Full text available: 📄 pdf(403.06 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 125,   Citation Count: 0

In this paper we present the design of the Automated Network Games Enhancement Layer (ANGEL), a novel architecture for meeting Quality of Service (QoS) requirements of real-time network game traffic across consumer broadband links. Consumer access links ...

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Jae-Hyoung Yoo
November 2006 International Journal of Network Management, Volume 16 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(999.62 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 142, Citation Count: 0

The high penetration rate of Internet access services in Korea has created an operational
environment that is different from those of other countries, and thus the level of customer needs
takes on different aspects. To meet the operational environment, ...

2 **Reliable network connections**
Victor C. Zandy, Barton P. Miller
September 2002 MobiCom '02: Proceedings of the 8th annual international conference on Mobile
                computing and networking
Publisher: ACM
Full text available: pdf(272.01 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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We present two systems, reliable sockets (rocks) and reliable packets (racks), that provide
transparent network connection mobility using only user- level mechanisms. Each system can
detect a connection failure within seconds of its occurrence, preserve ...

Keywords: network connection mobility

3 **A measurement study of vehicular internet access using in situ Wi-Fi networks**
Vladimir Bychkovsky, Bret Hull, Allen Miu, Hari Balakrishnan, Samuel Madden
September 2006 MobiCom '06: Proceedings of the 12th annual international conference on Mobile
                computing and networking
Publisher: ACM
Full text available: pdf(1.52 MB)   Additional Information: full citation, abstract, references, cited by, index terms

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The impressive penetration of 802.11-based wireless networks in many metropolitan areas arour
the world offers, for the first time, the opportunity of a "grassroots" wireless Internet service
provided by users who "open up" their 802.11 (Wi-Fi) access ...

Keywords: 802.11, Wi-Fi, connectivity, mobile networks, mobility, vehicular mobility, wireless L

4   The feasibility of supporting large-scale live streaming applications with dynamic applicatio
    end-points
    Kunwadee Sripanidkulchai, Aditya Ganjam, Bruce Maggs, Hui Zhang
    August 2004 SIGCOMM '04: Proceedings of the 2004 conference on Applications, technologies,
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    Publisher: ACM
    Full text available: pdf(461.96 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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      While application end-point architectures have proven to be viable solutions for large-scale
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      its feasibility for more bandwidth-demanding applications ...

      Keywords: application-level multicast, live streaming, overlay multicast, peer-to-peer

5   The feasibility of supporting large-scale live streaming applications with dynamic applicatio
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    Kunwadee Sripanidkulchai, Aditya Ganjam, Bruce Maggs, Hui Zhang
    August 2004 ACM SIGCOMM Computer Communication Review, Volume 34 Issue 4
    Publisher: ACM
    Full text available: pdf(461.96 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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      distributed applications such as distributed computing and file-sharing, there is little known abou
      its feasibility for more bandwidth-demanding applications ...

      Keywords: application-level multicast, live streaming, overlay multicast, peer-to-peer

6   An analysis of live streaming workloads on the internet
    Kunwadee Sripanidkulchai, Bruce Maggs, Hui Zhang
    October 2004 IMC '04: Proceedings of the 4th ACM SIGCOMM conference on Internet measurement
    Publisher: ACM
    Full text available: pdf(3.51 MB)   Additional Information: full citation, abstract, references, cited by, index terms

    Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 123,   Citation Count: 8

      In this paper, we study the live streaming workload from a large content delivery network. Our
      data, collected over a 3 month period, contains over 70 million requests for 5,000 distinct URLs
      from clients in over 200 countries. To our knowledge, this ...

      Keywords: content delivery networks, live streaming

7   Enhancement of a WLAN-based internet service
    Youngkyu Choi, Sekyu Park, Sunghyun Choi, Go Woon Lee, Jaehwan Lee, Hanwook Jung
    June 2005 Mobile Networks and Applications, Volume 10 Issue 3
    Publisher: Kluwer Academic Publishers
    Full text available: pdf(2.62 MB)   Additional Information: full citation, abstract, references, cited by, index terms

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Keywords: IEEE 802.11, WLAN, hotspot service, wireless internet service provider (WISP)

8   Enhancement of a WLAN-based internet service in Korea
Youngkyu Choi, Jeongyeup Paek, Sunghyun Choi, Go Woon Lee, Jae Hwan Lee, Hanwook Jung
September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobi
                     applications and services on WLAN hotspots
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9   Automated network games enhancement layer: a proposed architecture
Jason But, Nigel Williams, Sebastian Zander, Lawrence Stewart, Grenville Armitage
October 2006 NetGames '06: Proceedings of 5th ACM SIGCOMM workshop on Network and system
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In this paper we present the design of the Automated Network Games Enhancement Layer
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network game traffic across consumer broadband links. Consumer access links ...

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Linux Journal Staff
June 2002 Linux Journal, Volume 2002 Issue 98
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11 The Linux Home Network
Preston F. Crow
April 2000 Linux Journal, Volume 2000 Issue 72es
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Everything you need to know to make those Internet and intranet connections at home.

12 WiFiProfiler: cooperative diagnosis in wireless LANs
Ranveer Chandra, Venkata N. Padmanabhan, Ming Zhang
June 2006   MobiSys '06: Proceedings of the 4th international conference on Mobile systems,
              applications and services
Publisher: ACM
Full text available: pdf(404.12 KB)   Additional Information: full citation, abstract, references, index terms

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      While 802.11-based wireless hotspots are proliferating, users often have little recourse when the
      network does not work or performs poorly *for them*. They are left trying to manually debug the
      problem, which can be a frustrating and disruptive ...

      Keywords: 802.11, fault diagnosis, peer-to-peer performance problems, wireless networks

13 Characterizing residential broadband networks
Marcel Dischinger, Andreas Haeberlen, Krishna P. Gummadi, Stefan Saroiu
October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet measurement
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      Keywords: broadband access networks, cable, dsl, network measurement

14 Home networking and HCI: what hath god wrought?
Erika Shehan, W. Keith Edwards
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      For much of the industrialized world, network connectivity in the home is commonplace. Despite
      the large number of networked homes, even the most technically savvy people can have difficult
      with home network installation and maintenance. We contend ...

      Keywords: computer networking, home computing, home networking, infrastructure,
      troubleshooting, ubiquitous computing

15 How dynamic are IP addresses?
Yinglian Xie, Fang Yu, Kannan Achan, Eliot Gillum, Moises Goldszmidt, Ted Wobber
August 2007 SIGCOMM '07: Proceedings of the 2007 conference on Applications, technologies,
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      This paper introduces a novel algorithm, *UDmap*, to identify dynamically assigned IP addresses a

analyze their dynamics pattern. UDmap is fully automatic, and relies only on application-level server logs. We applied UDmap to a month-long Hotmail ...

Keywords: DHCP, IP volatility, dynamic IP addresses, entropy, spam detection

16 How dynamic are IP addresses?

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October 2007 ACM SIGCOMM Computer Communication Review, Volume 37 Issue 4
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Anthony J. Nicholson, Yatin Chawathe, Mike Y. Chen, Brian D. Noble, David Wetherall
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Keywords: 802.11, access point selection, opportunistic connectivity, public networks, wireless networking

18 RIPPS: Rogue Identifying Packet Payload Slicer Detecting Unauthorized Wireless Hosts Through Network Traffic Conditioning

Chad D. Mano, Andrew Blaich, Qi Liao, Yingxin Jiang, David A. Cieslak, David C. Salyers, Aaron Striegel
March 2008 ACM Transactions on Information and System Security (TISSEC), Volume 11 Issue
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Keywords: network security, rogue systems, traffic conditioning

19 Networkmd: topology inference and failure diagnosis in the last mile

Yun Mao, Hani Jamjoom, Shu Tao, Jonathan M. Smith
October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet measurement

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> Keywords: failure diagnosis, network topology inference

20 The Family Dynamics of 802.11
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22 Best of technical support
   Linux Journal Staff
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24 Getting in the Fast Lane
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    Gilbert Held
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29 Letters to the Editor
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31 Best of technical support
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32 Best of Technical Support
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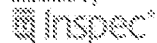No results were found.

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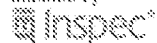
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